

CLASSIFICATION: 08 30 00 Specialty Doors and Frames

PRODUCT DESCRIPTION: Forster fuego light is the reliable profile system for fire protection. The flush doors are constructed around a narrow steel frame with a large glass area that guarantees maximum transparency, a sleek appearance and reliable security. In addition to fire doors and glazed fire screens other available systems are tested like fire protection sliding doors, with and without escape route function, doors with finger guard and flush reverse sheet metal frame doors.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

<p>Inventory Reporting Format</p> <p><input checked="" type="radio"/> Nested Materials Method</p> <p><input type="radio"/> Basic Method</p> <p>Threshold Disclosed Per</p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p>	<p>Threshold level</p> <p><input checked="" type="radio"/> 100 ppm</p> <p><input type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Per OSHA MSDS</p> <p><input type="radio"/> Other</p>	<p>Residuals/Impurities</p> <p>Residuals/Impurities Considered in 4 of 11 Materials</p> <p>Explanation(s) provided for Residuals/Impurities?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>Are All Substances Above the Threshold Indicated:</i></p> <p>Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Percent Weight and Role Provided?</i></p> <p>Screened <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><i>Using Priority Hazard Lists with Results Disclosed?</i></p> <p>Identified <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><i>Name and Identifier Provided?</i></p>
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CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

HOT DIPPED GALVANIZED STEEL [IRON LT-P1 | END CARBON LT-UNK SILICON LT-UNK MANGANESE LT-P1 | END | MUL | REP PHOSPHORUS BM-2 | PHY | MAM SULFUR LT-UNK | SKI COPPER LT-UNK 3003-H14 ALUMINUM LT-P1 | RES | PHY | END NITROGEN NoGS VANADIUM LT-1 | MUL | CAN | GEN TITANIUM LT-UNK CHROMIUM LT-P1 | RES | END | SKI NICKEL LT-1 | RES | CAN | SKI | MAM | MUL] GYPSUM BOARD [UNKNOWN Not Screened CALCIUM SILICATE LT-UNK WOLLASTONITE LT-UNK PERLITE LT-UNK QUARTZ LT-1 | CAN CELLULOSE PULP NoGS] GASKET 1 [NEOPRENE LT-UNK ALUMINA TRIHYDRATE BM-2 | RES CHLORINATED PARAFFIN WAXES – GENERIC LT-P1 | PBT | END | AQU | CAN CARBON BLACK LT-1 | CAN ZINC OXIDE BM-1 | RES | AQU | MUL ANTIMONY TRIOXIDE BM-1 | CAN | MUL 2-THIAZOLIDINETHIONE, 3-METHYL- NoGS] STEEL BEAD [IRON LT-P1 | END CARBON LT-UNK SILICON LT-UNK MANGANESE LT-P1 | END | MUL | REP PHOSPHORUS BM-2 | PHY | MAM SULFUR LT-UNK | SKI COPPER LT-UNK NITROGEN NoGS VANADIUM LT-1 | MUL | CAN | GEN TITANIUM LT-UNK CHROMIUM LT-P1 | RES | END | SKI NICKEL LT-1 | RES | CAN | SKI | MAM | MUL 3003-H14 ALUMINUM LT-P1 | RES | PHY | END] STAINLESS STEEL [IRON LT-P1 | END CARBON LT-UNK SILICON LT-UNK MANGANESE LT-P1 | END | MUL | REP PHOSPHORUS BM-2 | PHY | MAM SULFUR LT-UNK | SKI CHROMIUM LT-P1 | RES | END | SKI NICKEL LT-1 | RES | CAN | SKI | MAM | MUL NITROGEN NoGS] WELDING WIRE [IRON LT-P1 | END CHROMIUM LT-P1 | RES | END | SKI COPPER LT-UNK MANGANESE LT-P1 | END | MUL | REP CARBON LT-UNK MOLYBDENUM LT-UNK VANADIUM LT-1 | MUL | CAN | GEN TITANIUM LT-UNK NICKEL LT-1 | RES | CAN | SKI | MAM | MUL SILICON LT-UNK] FOAM INSULATION [UNKNOWN Not Screened] PUTTY [UNKNOWN Not Screened STYRENE BM-1 | RES | CAN | END | SKI | EYE | DEL | MAM | MUL | REP TITANIUM DIOXIDE LT-1 | CAN | END TRIZINC BIS(ORTHOPHOSPHATE) LT-P1 | AQU | MUL 1,2,3,6-TETRAHYDROPHthalic ACID ANHYDRIDE LT-UNK | SKI | EYE | RES]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Manufacturer has opted for the nested content inventory display - materials list percentages present in the final product and substances list percentages present in their respective material. All substances have been disclosed to at least 1,000 ppm of their respective material. Proprietary substances were disclosed by the suppliers with percentages, roles and hazards provided and entered accordingly. Not all substance name and identifiers are disclosed due to their proprietary nature to the supplier or manufacturer, however all substances are screened with their hazards reported.

PAINT PRIMER [UNKNOWN Not Screened TITANIUM DIOXIDE LT-1 | CAN |
END BUTYL ACETATE LT-UNK METHYL N-AMYL KETONE BM-U ZINC
OXIDE BM-1 | RES | AQU | MUL] PAINT CATALYST [HEXAMETHYLENE
DIISOCYANATE HOMOPOLYMER (HDI HOMOPOLYMER) LT-P1 BUTYL
ACETATE LT-UNK 1,6-HEXAMETHYLENE DIISOCYANATE LT-UNK | RES |
SKI | EYE | MAM] PAINT TOP COAT [TITANIUM DIOXIDE LT-1 | CAN | END
UNKNOWN Not Screened CYCLOHEXANONE LT-P1 | END | CAN BUTYL
ACETATE LT-UNK METHYL ETHYL KETONE LT-P1 | PHY | EYE | END
TOLUENE LT-1 | DEL | REP | PHY | MAM | SKI | END | MUL XYLENES BM-1 |
SKI | END | MUL | REP ETHYLBENZENE BM-2 | CAN | PHY | MAM | SKI | REP
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VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: N/A

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-11-30

PUBLISHED DATE: 2018-12-03

EXPIRY DATE: 2021-11-30



Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

HOT DIPPED GALVANIZED STEEL

#: 33.6200

HPD URL:

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 1,000 ppm of the product.

OTHER MATERIAL NOTES:

IRON

ID: 7439-89-6

#: 99.6120 - 100.0000 GS: LT-P1 RC: UNK NANO: No ROLE: Alloy Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Substance ranges based on alloy composition.

CARBON

ID: 7440-44-0

#: 0.0000 - 0.0430 GS: LT-UNK RC: UNK NANO: No ROLE: Alloy Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on alloy composition.

SILICON

ID: 7440-21-3

#: 0.0000 - 0.0070 GS: LT-UNK RC: UNK NANO: No ROLE: Alloy Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on alloy composition.

MANGANESE

ID: 7439-96-5

%: **0.0000 - 0.2160** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

REPRODUCTIVE

Japan - GHS

Toxic to reproduction - Category 1B

SUBSTANCE NOTES: Substance ranges based on alloy composition.

PHOSPHORUS

ID: 7723-14-0

%: **0.0000 - 0.0100** GS: **BM-2** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H228 - Flammable solid

MAMMALIAN

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

SUBSTANCE NOTES: Substance ranges based on alloy composition.

SULFUR

ID: 7704-34-9

%: **0.0000 - 0.0080** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SUBSTANCE NOTES: Substance ranges based on alloy composition.

COPPER

ID: 7440-50-8

%: **0.0000 - 0.0220** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on alloy composition.

3003-H14 ALUMINUM

ID: 7429-90-5

#: **0.0000 - 0.0310**

GS: **LT-P1**

RC: **UNK**

NANO: **No**

ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H228 - Flammable solid

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H261 - In contact with water releases flammable gases

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: **Substance ranges based on alloy composition.**

NITROGEN

ID: **7727-37-9**

#: **0.0000 - 0.0030**

GS: **NoGS**

RC: **UNK**

NANO: **No**

ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Substance ranges based on alloy composition.**

VANADIUM

ID: **7440-62-2**

#: **0.0000 - 0.0010**

GS: **LT-1**

RC: **UNK**

NANO: **No**

ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for man

GENE MUTATION

MAK

Germ Cell Mutagen 2

SUBSTANCE NOTES: **Substance ranges based on alloy composition.**

TITANIUM

ID: **7440-32-6**

#: **0.0000 - 0.0010**

GS: **LT-UNK**

RC: **UNK**

NANO: **No**

ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Substance ranges based on alloy composition.**

CHROMIUM

ID: 7440-47-3

%: **0.0000 - 0.0250** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Substance ranges based on alloy composition.

NICKEL

ID: 7440-02-0

%: **0.0000 - 0.0210** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	IARC	Group 2B - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: Substance ranges based on alloy composition.

GYPSUM BOARD%: **29.4200**

HPD URL:

PRODUCT THRESHOLD: **100 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were not considered as not all substances in this material are screened down to 1,000 ppm.

OTHER MATERIAL NOTES:

UNKNOWN

ID: **Unknown**

#: **0.0000 - 100.0000** GS: **Not Screened** RC: **UNK** NANO: **No** ROLE: **Gypsum board and fire protection ingredients**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substances not required to be reported on SDS and considered proprietary to supplier.

CALCIUM SILICATE

ID: **1344-95-2**

#: **0.0000 - 100.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Gypsum Board Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

WOLLASTONITE

ID: **13983-17-0**

#: **0.0000 - 100.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Gypsum Board Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

PERLITE

ID: **93763-70-3**

#: **0.0000 - 100.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Gypsum Board Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

QUARTZ

ID: **14808-60-7**

#: **0.0000 - 100.0000** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Gypsum Board Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

CELLULOSE PULP

ID: 65996-61-4

#: 0.0000 - 100.0000 GS: NoGS RC: UNK NANO: No ROLE: Gypsum Board Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

GASKET 1

#: 11.3900

HPD URL:

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 1,000 ppm of the product.

OTHER MATERIAL NOTES:

NEOPRENE

ID: 9010-98-4

#: 40.0000 - 50.0000 GS: LT-UNK RC: UNK NANO: No ROLE: Polymer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

ALUMINA TRIHYDRATE

ID: 21645-51-2

#: 35.0000 - 45.0000

GS: BM-2

RC: UNK

NANO: No

ROLE: Fire Resistant Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

CHLORINATED PARAFFIN WAXES – GENERIC

ID: 63449-39-8

#: 5.0000 - 10.0000

GS: LT-P1

RC: UNK

NANO: No

ROLE: Fire Resistant Plasticizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

OSPAR - Priority PBTs & EDs & equivalent concern

PBT - Substance of Possible Concern

PBT

EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)

ENDOCRINE

ChemSec - SIN List

Endocrine Disruption

CHRON AQUATIC

US EPA - PPT Chemical Action Plans

Highly toxic to aquatic organisms

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

CARBON BLACK

ID: 1333-86-4

#: 2.0000 - 8.0000

GS: LT-1

RC: UNK

NANO: No

ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

ZINC OXIDE

ID: 1314-13-2

#: 1.0000 - 3.0000

GS: BM-1

RC: UNK

NANO: No

ROLE: Curing Agent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

ANTIMONY TRIOXIDE

ID: 1309-64-4

#: **1.0000 - 2.5000** GS: **BM-1** RC: **UNK** NANO: **No** ROLE: **Fire Resistant Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	IARC	Group 2B - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	Japan - GHS	Carcinogenicity - Category 1B

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

2-THIAZOLIDINETHIONE, 3-METHYL-

ID: 1908-87-8

#: **0.5000 - 2.0000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Accelerator for Curing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: Substance ranges based on supplier documentation.

STEEL BEAD

#: **7.9100**

HPD URL:

PRODUCT THRESHOLD: **100 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 1,000 ppm of the product.

OTHER MATERIAL NOTES:

IRON

ID: 7439-89-6

#: 99.6120 - 100.0000

GS: LT-P1

RC: UNK

NANO: No

ROLE: Alloy Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Substance ranges based on alloy composition.

CARBON

ID: 7440-44-0

#: 0.0000 - 0.0429

GS: LT-UNK

RC: UNK

NANO: No

ROLE: Alloy Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on alloy composition.

SILICON

ID: 7440-21-3

#: 0.0000 - 0.0074

GS: LT-UNK

RC: UNK

NANO: No

ROLE: Alloy Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on alloy composition.

MANGANESE

ID: 7439-96-5

#: 0.0000 - 0.2159

GS: LT-P1

RC: UNK

NANO: No

ROLE: Alloy Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

REPRODUCTIVE

Japan - GHS

Toxic to reproduction - Category 1B

SUBSTANCE NOTES: Substance ranges based on alloy composition.

PHOSPHORUS

ID: 7723-14-0

#: 0.0000 - 0.0104

GS: BM-2

RC: UNK

NANO: No

ROLE: Alloy Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H228 - Flammable solid

SUBSTANCE NOTES: Substance ranges based on alloy composition.

SULFUR

ID: 7704-34-9

%: 0.0000 - 0.0077	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Alloy Ingredient
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SUBSTANCE NOTES: Substance ranges based on alloy composition.

COPPER

ID: 7440-50-8

%: 0.0000 - 0.0216	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Alloy Ingredient
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on alloy composition.

NITROGEN

ID: 7727-37-9

%: 0.0000 - 0.0030	GS: NoGS	RC: UNK	NANO: No	ROLE: Alloy Ingredient
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on alloy composition.

VANADIUM

ID: 7440-62-2

%: 0.0000 - 0.0012	GS: LT-1	RC: UNK	NANO: No	ROLE: Alloy Ingredient
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for man

GENE MUTATION

MAK

Germ Cell Mutagen 2

SUBSTANCE NOTES: Substance ranges based on alloy composition.

TITANIUM

ID: 7440-32-6

#: **0.0000 - 0.0008** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on alloy composition.

CHROMIUM

ID: 7440-47-3

#: **0.0000 - 0.0246** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Substance ranges based on alloy composition.

NICKEL

ID: 7440-02-0

#: **0.0000 - 0.0209** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

CANCER

IARC

Group 2B - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

US NIH - Report on Carcinogens

Known to be a human Carcinogen

CANCER

US NIH - Report on Carcinogens

Reasonably Anticipated to be Human Carcinogen

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

ORGAN TOXICANT

EU - GHS (H-Statements)

H372 - Causes damage to organs through prolonged or repeated exposure

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: Substance ranges based on alloy composition.

3003-H14 ALUMINUM

ID: 7429-90-5

#: **0.0000 - 0.0312** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Substance ranges based on alloy composition.

STAINLESS STEEL

#: **6.3000**

HPD URL:

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 1,000 ppm of the product.

OTHER MATERIAL NOTES:

IRON

ID: 7439-89-6

#: **67.1170 - 100.0000** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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SUBSTANCE NOTES: Substance ranges based on alloy composition.

CARBON

ID: 7440-44-0

#: **0.0000 - 0.0400** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: Substance ranges based on alloy composition.

SILICON

ID: 7440-21-3

#: **0.0000 - 0.5000** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on alloy composition.

MANGANESE

ID: 7439-96-5

#: **0.0000 - 1.2100** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

REPRODUCTIVE

Japan - GHS

Toxic to reproduction - Category 1B

SUBSTANCE NOTES: Substance ranges based on alloy composition.

PHOSPHORUS

ID: 7723-14-0

#: **0.0000 - 0.0320** GS: **BM-2** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H228 - Flammable solid

MAMMALIAN

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

SUBSTANCE NOTES: Substance ranges based on alloy composition.

SULFUR

ID: 7704-34-9

#: **0.0000 - 0.0010** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SUBSTANCE NOTES: Substance ranges based on alloy composition.

CHROMIUM

ID: 7440-47-3

%: **0.0000 - 18.2000** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Substance ranges based on alloy composition.

NICKEL

ID: 7440-02-0

%: **0.0000 - 8.1000** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	IARC	Group 2B - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: Substance ranges based on alloy composition.

NITROGEN

ID: 7727-37-9

%: **0.0000 - 4.8000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on alloy composition.

WELDING WIRE

%: 5.8500

HPD URL:

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 1,000 ppm of the product.

OTHER MATERIAL NOTES:

IRON

ID: 7439-89-6

%: 80.0000 - 100.0000 GS: LT-P1 RC: UNK NANO: No ROLE: Welding Wire Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Substance ranges based on alloy composition.

CHROMIUM

ID: 7440-47-3

%: 0.0000 - 10.0000 GS: LT-P1 RC: UNK NANO: No ROLE: Welding Wire Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Substance ranges based on alloy composition.

COPPER

ID: 7440-50-8

%: 0.0000 - 1.0000 GS: LT-UNK RC: UNK NANO: No ROLE: Welding Wire Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on alloy composition.

MANGANESE

ID: 7439-96-5

#: **0.0000 - 3.0000** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Welding Wire Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

REPRODUCTIVE

Japan - GHS

Toxic to reproduction - Category 1B

SUBSTANCE NOTES: **Substance ranges based on alloy composition.**

CARBON

ID: **7440-44-0**

#: **0.0000 - 1.5000** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Welding Wire Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Substance ranges based on alloy composition.**

MOLYBDENUM

ID: **7439-98-7**

#: **0.0000 - 4.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Welding Wire Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Substance ranges based on alloy composition.**

VANADIUM

ID: **7440-62-2**

#: **0.0000 - 1.0000** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Welding Wire Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for man

GENE MUTATION

MAK

Germ Cell Mutagen 2

SUBSTANCE NOTES: **Substance ranges based on alloy composition.**

TITANIUM

ID: **7440-32-6**

#: 0.0000 - 1.0000

GS: LT-UNK

RC: UNK

NANO: No

ROLE: Welding Wire Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on alloy composition.

NICKEL

ID: 7440-02-0

#: 0.0000 - 3.0000

GS: LT-1

RC: UNK

NANO: No

ROLE: Welding Wire Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

CANCER

IARC

Group 2B - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

US NIH - Report on Carcinogens

Known to be a human Carcinogen

CANCER

US NIH - Report on Carcinogens

Reasonably Anticipated to be Human Carcinogen

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

ORGAN TOXICANT

EU - GHS (H-Statements)

H372 - Causes damage to organs through prolonged or repeated exposure

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: Substance ranges based on alloy composition.

SILICON

ID: 7440-21-3

#: 0.0000 - 1.0000

GS: LT-UNK

RC: UNK

NANO: No

ROLE: Welding Wire Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance ranges based on alloy composition.

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were not considered as not all substances in this material are screened down to 1,000 ppm.

OTHER MATERIAL NOTES:

UNKNOWN

ID: **Unknown**

#: **0.0000 - 100.0000** GS: **Not Screened** RC: **UNK** NANO: **No** ROLE: **Insulation Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Material composition considered proprietary to supplier.

PUTTY

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were not considered as not all substances in this material are screened down to 1,000 ppm.

OTHER MATERIAL NOTES:

UNKNOWN

ID: **Unknown**

#: **62.0000 - 88.0000** GS: **Not Screened** RC: **UNK** NANO: **No** ROLE: **Putty Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substances not required to be reported on SDS and considered proprietary to supplier. Substance ranges based on supplier documentation.

STYRENE

ID: **100-42-5**

#: **10.0000 - 30.0000** GS: **BM-1** RC: **UNK** NANO: **No** ROLE: **Putty Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

CANCER

IARC

Group 2A - Agent is probably Carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

ENDOCRINE

EU - Priority Endocrine Disruptors

Category 1 - In vivo evidence of Endocrine Disruption Activity

CANCER

US NIH - Report on Carcinogens

Reasonably Anticipated to be Human Carcinogen

SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
DEVELOPMENTAL	EU - GHS (H-Statements)	H361d - Suspected of damaging the unborn child
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 5 - Genotoxic carcinogen with very slight risk under MAK/BAT levels
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

TITANIUM DIOXIDE

ID: 13463-67-7

#: 1.0000 - 5.0000 GS: LT-1 RC: UNK NANO: No ROLE: Putty Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

TRIZINC BIS(ORTHOPHOSPHATE)

ID: 7779-90-0

#: 0.5000 - 1.5000 GS: LT-P1 RC: UNK NANO: No ROLE: Putty Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

1,2,3,6-TETRAHYDROPHthalic ACID ANHYDRIDE

ID: 85-43-8

#: 0.5000 - 1.5000 GS: LT-UNK RC: UNK NANO: No ROLE: Putty Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

EYE IRRITATION

EU - GHS (H-Statements)

H318 - Causes serious eye damage

RESPIRATORY

EU - GHS (H-Statements)

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

PAINT PRIMER

#: 0.0000 - 4.7100

HPD URL:

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were not considered as not all substances in this material are screened down to 1,000 ppm.

OTHER MATERIAL NOTES:

UNKNOWN

ID: Unknown

#: 49.9800 GS: Not Screened RC: None NANO: No ROLE: Primer Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substances not required to be reported on SDS and considered proprietary to supplier.

TITANIUM DIOXIDE

ID: 13463-67-7

#: 20.6200 GS: LT-1 RC: UNK NANO: No ROLE: Primer ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects

but not sufficient to establish MAK/BAT value

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES:

BUTYL ACETATE

ID: 123-86-4

#: 18.4600

GS: LT-UNK

RC: UNK

NANO: No

ROLE: Primer ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

METHYL N-AMYL KETONE

ID: 110-43-0

#: 8.4000

GS: BM-U

RC: UNK

NANO: No

ROLE: Primer ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ZINC OXIDE

ID: 1314-13-2

#: 2.5400

GS: BM-1

RC: UNK

NANO: No

ROLE: Primer ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

CHRON AQUATIC

EU - GHS (H-Statements)

H410 - Very toxic to aquatic life with long lasting effects

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES:

PAINT CATALYST

#: 0.0000 - 4.7100

HPD URL:

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 1,000 ppm of the product.

HEXAMETHYLENE DIISOCYANATE HOMOPOLYMER (HDI HOMOPOLYMER)

ID: 28182-81-2

#: 74.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Catalyst Ingredient
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

BUTYL ACETATE

ID: 123-86-4

#: 25.0000	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Catalyst Ingredient
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

1,6-HEXAMETHYLENE DIISOCYANATE

ID: 822-06-0

#: 0.3000	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Catalyst Ingredient
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (G) - generally accepted

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

MAMMALIAN

EU - GHS (H-Statements)

H331 - Toxic if inhaled

RESPIRATORY

EU - GHS (H-Statements)

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES:

PAINT TOP COAT

#: 0.0000 - 4.7100

HPD URL:

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were not considered as not all substances in this material are

screened down to 1,000 ppm.

OTHER MATERIAL NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

#: **29.9500** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Top Coat Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES:

UNKNOWN

ID: Unknown

#: **25.3200** GS: **Not Screened** RC: **UNK** NANO: **No** ROLE: **Top Coat Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substances not required to be reported on SDS and considered proprietary to supplier.

CYCLOHEXANONE

ID: 108-94-1

#: **19.5100** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Top Coat Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

BUTYL ACETATE

ID: 123-86-4

#: **11.4600** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Top Coat Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

METHYL ETHYL KETONE

ID: 78-93-3

#: **6.0300** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Top Coat Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

TOLUENE

ID: 108-88-3

#: **4.4500** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Top Coat Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

DEVELOPMENTAL	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
DEVELOPMENTAL	EU - GHS (H-Statements)	H361d - Suspected of damaging the unborn child
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1A

SUBSTANCE NOTES:

XYLENES

ID: 1330-20-7

#: **2.7900** GS: **BM-1** RC: **UNK** NANO: **No** ROLE: **Top Coat Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES:

ETHYLBENZENE

ID: 100-41-4

#: **0.4900** GS: **BM-2** RC: **UNK** NANO: **No** ROLE: **Top Coat Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	IARC	Group 2B - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES:

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS

N/A

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **None.**

APPLICABLE FACILITIES: **All.**

01-01

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

This Health Product Declaration was prepared by Sustainable Solutions Corporation of Royersford, Pennsylvania on behalf of Vetrotech.



MANUFACTURER INFORMATION

MANUFACTURER: **Saint Gobain**

ADDRESS: **2108 B Street N.W. Suite 110**

Auburn WA 98001, USA

WEBSITE:

<https://www.vetrotech.com/en/usa/downloads>

CONTACT NAME: **Lori Jerome**

TITLE: **Digital Marketing Analyst, North America**

PHONE: **+1 888 803 9533**

EMAIL: **north.america@vetrotech.com**

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

BM-2 Benchmark 2 (use but search for safer substitutes)

BM-1 Benchmark 1 (avoid - chemical of high concern)

BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1

LT-1 List Translator Likely Benchmark 1

LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

NoGS Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)

PostC Postconsumer

Both Both Preconsumer and Postconsumer

Unk Inclusion of recycled content is unknown

None Does not include recycled content

Other Terms

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material

Nested Method / Product Threshold Substances listed within each material per threshold indicated per product

Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology

Third Party Verified Verification by independent certifier approved by HPDC

Preparer Third party preparer, if not self-prepared by manufacturer

Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.